

Possible process for reflecting CMR collection metadata changes in descriptors

I have been thinking some about how to propagate changes made to the CMR (via the MMT or other means) back to ECS. Here is one possible mechanism:

1. Ingest a new metadata revision, via MMT or other client.
2. Pull the latest revision and the previous revision from CMR in ISO format.
3. Convert both revisions to Descriptor ODL format
4. Perform a diff between the two revisions to generate a patch file.
5. Review the patch file to make sure the changes, and their impacts are understood.
6. Apply the patch to the existing descriptor to create a new version.

The above steps could be automated into a utility to make the process more streamlined. This could work with any of the options above. The same tool could also be pointed at the EDB to assist in getting the ECS descriptors synced with EDB.

See a diagram below:

